

HemCon  
**ChitoGauze<sup>®</sup>PRO**  
Now approved by  
**CoTCCC**  
*Committee on Combat Casualty Care*



Product Training

HemCon ChitoGauze<sup>®</sup> **PRO**

# ChitoGauze® PRO Overview

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**#1018 / #30-0049**

ChitoGauze PRO 3in x 4yds  
NSN# 6510-01-591-7740

**#1017** ChitoGauze 4in x 4yds

FDA: 510(k): K102546

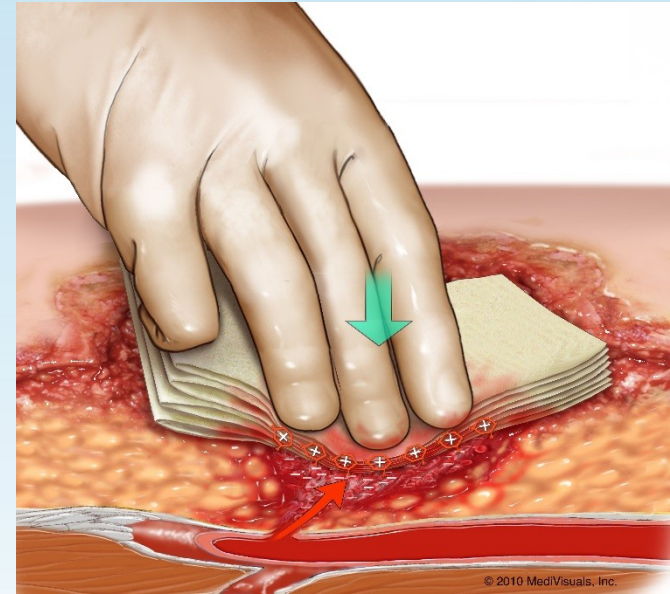
## FDA Indication:

ChitoGauze PRO is a hemostatic dressing for the external, temporary control of **severely bleeding** wounds.



# ChitoGauze - Mechanism of Action

- Slows the blood movement through dressing
    - Offers a local hemostatic solution
  - Chitosan provides for improved attachment & apposition of the dressing to the injury site
  - Chitosan binds red blood cells and platelets on the dressing's surface
    - Provides for localized clotting independently from the normal clotting cascade\*
- mitigates risk of emboli formation



*\*Studies conducted by Prof. John Whitelock University of New South Wales in conjunction with an Australian ARC Linkage Grant.*

# ChitoGauze Antibacterial Properties

- **Reduction of Microorganisms:**

- ChitoGauze was tested for reduction of microorganisms against 26 microorganisms, including **MRSA, VRE and A. baumannii**.
- The log reduction data demonstrates the level of **antibacterial effectiveness**.

- **ONLY battlefield tested hemostat with antibacterial properties**

- Important for extended care and prolonged transport times

Microorganism	Gram Stain	Log Reduction
<i>Staphylococcus aureus</i> (MRSA) ATCC 33591	+	>4.1
<i>Staphylococcus aureus</i> (MRSA) ATCC BAA-1556	+	>4.2
<i>Staphylococcus epidermidis</i> ATCC 12228	+	>4.2
<i>Pseudomonas aeruginosa</i> ATCC 9027	-	>4.1
<i>Enterococcus faecalis</i> (VRE) ATCC 51299	+	>4.0
<i>Acinetobacter baumannii</i> ATCC 15308	-	>4.4
<i>Citrobacter freundii</i> ATCC 8090	-	>4.3
<i>Enterobacter cloacae</i> ATCC 13047	-	>4.1
<i>Streptococcus mutans</i> ATCC 25175	+	>4.0
<i>Streptococcus pneumoniae</i> ATCC 10015	+	>5.1
<i>Escherichia coli</i> ATCC 8739	-	>4.1
<i>Klebsiella pneumoniae</i> ATCC 4352	-	>4.0
<i>Streptococcus pyogenes</i> ATCC 19615	+	>4.2
<i>Salmonella choleraesuis</i> ATCC 10708	-	>4.1
<i>Stenotrophomonas maltophilia</i> ATCC 12714	-	>4.0
<i>Citrobacter koseri</i> ATCC 25408	-	>4.1
<i>Proteus mirabilis</i> ATCC 4630	-	>4.2
<i>Proteus vulgaris</i> ATCC 12454	-	>4.3
<i>Moraxella catarrhalis</i> ATCC 8193	-	>4.1
<i>Clostridium difficile</i> ATCC 9689	+	>4.0
<i>Shigella species</i> ATCC 11126	-	>4.0
<i>Micrococcus luteus</i> ATCC 49732	+	>4.0
<i>Vibrio cholerae</i> ATCC 11558	-	>4.1
<i>Enterobacter aerogenes</i> ATCC 13048	-	4.8
<i>Enterococcus faecalis</i> (VRE) ATCC 700802	+	2.6
<i>Serratia marcescens</i> ATCC 13880	-	5.0

*The clinical utility of these results is unknown.*

# Instructions for Use

The flexible, hemostatic ChitoGauze is easily applied and simple steps need to be followed.

1. Open foil pouch and remove z-folded ChitoGauze.
2. Apply ChitoGauze **onto and in contact with the source of bleeding.**

Continue packing the dressing completely into wound track.

Use enough ChitoGauze to fill the wound and contact **ALL bleeding surfaces.**

- a) If all of the dressing does not fit into wound cavity, use excess dressing to back the wound site.
  - b) For larger wounds, more than one dressing may be required.
3. Apply pressure until bleeding is controlled (usually 2-3 min).

# Securing and Steps for Removal

## 4. Wrap and secure dressing on wound to maintain pressure

### How and when do I need to remove the dressing?

- ChitoGauze can remain in place up to 48 hours.
- Dressing should easily peel away from the wound.
- If dressing has adhered\* to the wound, irrigate with saline or water to facilitate removal.

*\*Depending on the condition of the wound, the dressing may stick if left on wound beyond 48 hours.*



# Application and Training Video – live-tissue



Click on  
image

# CoTCCC Guidelines – April 2014





# Questions, need more info? Contact us!

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